

**Список статей в международных журналах  
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№ п/п	Название публикации	Тип публикации	Наименование журнала, год, номера статьи, тома, выпуска и страниц, DOI (если имеются)	Импакт-фактор журнала и область науки по данным Journal Citation Reports за год публикации	Индекс в базе данных Web of Science Core Collection (Веб оф Сайенс Кор Коллекшн)	CiteScore журнала, процентиль и область науки по данным Scopus за год публикации	ФИО авторов работ (подчеркнуть ФИО соискателя)	Роль соискателя (соавтор, первый автор или автор для корреспонденции)
1.	2.	3.	4.	5.	6.	7.	8.	9.
1	Superfast High-Energy Storage Hybrid Device Composed of MXene and Chevrel-Phase Electrodes Operated in Saturated LiCl Electrolyte Solution	Статья	Journal of Materials Chemistry A, 2019. 7, 19761-19773 DOI: <a href="https://doi.org/10.1039/c9ta08066j">https://doi.org/10.1039/c9ta08066j</a> .	11.301, Q1 General Materials Science	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000483565400014">https://www.webofscience.com/wos/woscc/full-record/WOS:000483565400014</a>	96% General Materials Science	<u>Malchik, F.</u> Shpigel, N. Levi, M. D. Mathis, T. S. Mor, A. Gogotsi, Y. Aurbach, D.	первый автор
2	MXene conductive binder for improving performance of sodium-ion anodes in water-in-salt electrolyte	Статья	Nano Energy Volume 79, January 2021, 105433 <a href="https://doi.org/10.1016/j.nanoen.2020.105433">https://doi.org/10.1016/j.nanoen.2020.105433</a>	17.881, Q1 Electrical and Electronic Engineering	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000620325000006">https://www.webofscience.com/wos/woscc/full-record/WOS:000620325000006</a>	99% Electrical and Electronic Engineering	<u>Fyodor Malchik</u> Netanel Shpigel Mikhael D. Levi Tirupathi Rao Penki Bar Gavriel Gil Bergman Meital Turgeman Doron Aurbach Yury Gogotsi	первый автор

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11.07.2022



3	Quantification of Porosity in Extensively Nanoporous Thin Films in Contact with Gases and Liquids	Статья	Nature Communications, - 2019. Volume 10, Article number: 4394 <a href="https://doi.org/10.1038/s41467-019-12277-4">https://doi.org/10.1038/s41467-019-12277-4</a>	15,805; Q1 in General Biochemistry	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000488232600002">https://www.webofscience.com/wos/woscc/full-record/WOS:000488232600002</a>	97% in General Biochemistry	Shpigel, N. Sigalov, S. Malchik, F. Levi, M. D. Girshevitz, O. Khalfin, R. L. Aurbach, D	соавтор
4	Enhanced Performance of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) Electrodes in Concentrated ZnCl <sub>2</sub> Solutions: A Combined Electrochemical and EQCM-D Study	Статья	Energy Storage Materials, Volume 38, June 2021, Pages 535-541 <a href="https://doi.org/10.1016/j.ensm.2021.03.027">https://doi.org/10.1016/j.ensm.2021.03.027</a>	17.789; Q1 in Energy Engineering and Power Technology, Electrochemistry	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000488232600002">https://www.webofscience.com/wos/woscc/full-record/WOS:000488232600002</a>	97% in Energy Engineering and Power Technology, Electrochemistry	Shpigel, N. Sigalov, S. Malchik, F. Levi, M. D. Girshevitz, O. Khalfin, R. L. Aurbach, D.	соавтор
5	New Aqueous Energy Storage Devices Comprising Graphite Cathodes, MXene Anodes and Concentrated Sulfuric Acid Solutions	Статья	Energy storage materials, - 2020. V 32. p. 1-10. <a href="https://doi.org/10.1016/j.ensm.2020.06.038">https://doi.org/10.1016/j.ensm.2020.06.038</a>	17.789; Q1 in Energy Engineering and Power Technology	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000577179100001">https://www.webofscience.com/wos/woscc/full-record/WOS:000577179100001</a>	98% in Energy Engineering and Power Technology	Netanel Shpigel, Fyodor Malchik, Mikhael D. Levi, Bar Gavriel, Gil Bergman, Shay Tirosh, Nicole Leifer, Gil Goobes, Reut Cohen, Michal Weitman, Hagit Aviv, Yaakov R Tischler, Doron Aurbach Yury Gogotsi	соавтор
6	Horizons for Modern Electrochemistry Related to Energy Storage and Conversion, a Review	Обзорная статья	Israel Journal of Chemistry 2021. V 61, p. 11-25 <a href="https://doi.org/10.1002/ijch.202100002">https://doi.org/10.1002/ijch.202100002</a>	3,333; Q2 in General Chemistry	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000624560000001">https://www.webofscience.com/wos/woscc/full-record/WOS:000624560000001</a>	72% in General Chemistry	David Malka, Ran Attias, Netanel Shpigel, Fyodor Malchik, Mikhael D. Levi, Doron Aurbach	соавтор

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7	Can Anions Be Inserted into MXene?	Статья	Journal of the American Chemical Society, - 2021, 143 (32), 12552-12559. 10.1021/JACS.1C03840	15,419; Q1 in Biochemistry	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000686555000020">https://www.webofscience.com/wos/woscc/full-record/WOS:000686555000020</a>	98% in Biochemistry	Shpigel Netanel, Chakraborty Arup, Malchik Fyodor, Bergman Gil, Nimkar Amey, Gavriel Bar, Turgeman Meital, Hong Chulgi Nathan, Lukatskaya Maria R., Levi Mikhael D., Gogotsi Yury, Major Dan T., Aurbach Doron	соавтор
8	Titanium Carbide MXene Shows an Electrochemical Anomaly in Water-in-Salt Electrolytes	Статья	American Chemical Society, -2021, 5, 9, 15274-15284 10.1021/acsnano.1c06027	15,419; Q1 in Biochemistry	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000703553600120">https://www.webofscience.com/wos/woscc/full-record/WOS:000703553600120</a>	98% in Biochemistry	Xuehang Wang, Tyler S. Mathis, Yangyunli Sun, Wan-Yu Tsai, Netanel Shpigel, Hui Shao, Danzhen Zhang, Kanit Hantanasirisakul, Fyodor Malchik, Nina Balke, De-en Jiang, Patrice Simon, Yury Gogotsi	соавтор
9	Effect of the MoS <sub>2</sub> surface layer on the kinetics of intercalation processes in the NaFe(SO <sub>4</sub> ) <sub>2</sub> /C composite	Статья	Materials today communications, -2021. Volume 28, 102723 <a href="https://doi.org/10.1016/j.mtcomm.2021.102723">https://doi.org/10.1016/j.mtcomm.2021.102723</a>	3,383; Q2 in Materials Chemistry	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000697001500003">https://www.webofscience.com/wos/woscc/full-record/WOS:000697001500003</a>	51% in Materials Chemistry	Saule Kokhmetova, Tatyana Kan, Fyodor Malchik, Alina Galejeva, Thierry Djenizian, Andrey Kurbatov	соавтор
10	Influences of Cations' Solvation on Charge Storage Performance in Polyimide Anodes for Aqueous Multivalent Ion Batteries	Статья	American Chemical Society <i>Energy Lett.</i> , - 2021, 6:7, 2638-2644	23,101; Q1 in Biochemistry	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000697001500003">https://www.webofscience.com/wos/woscc/full-record/WOS:000697001500003</a>	98% in Biochemistry	Amey Nimkar, Fyodor Malchick, Bar Gavriel, Meital Turgeman,	соавтор

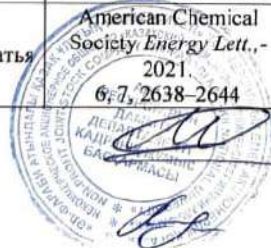
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			<a href="https://doi.org/10.1021/acsenergylett.1c01007">https://doi.org/10.1021/acsenergylett.1c01007</a>		record/WOS:000672746800034		Gil Bergman, Tianju Fan, Shaul Bublil, Reut Cohen, Michal Weitman, Netanel Shpigel, Mikhael D Levi, Doron Aurbach	
11	A cost-effective water-in-salt electrolyte enables highly stable operation of a 2.15-V aqueous lithium-ion battery	Статья	Cell Reports Physical Science. (2021) 100688. <a href="https://doi.org/10.1016/j.xcrp.2021.100688">https://doi.org/10.1016/j.xcrp.2021.100688</a> .	7.8 Engineering, Electrical and Electronic	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000802231400013">https://www.webofscience.com/wos/woscc/full-record/WOS:000802231400013</a>	51% Engineering, Electrical and Electronic Engineering	M. Turgeman, V. Wineman-Fisher, F. Malchik, A. Saha, G. Bergman, B. Gavriel, T.R. Penki, A. Nimkar, V. Baranauskaite, H. Aviv, M.D. Levi, M. Noked, D.T. Major, N. Shpigel, D. Aurbach	соавтор
12	Unraveling the Role of Fluorinated Alkyl Carbonate Additives in Improving Cathode Performance in Sodium-Ion Batteries	Статья	ACS Applied Materials & Interfaces, 2021, 46478-46487 <a href="https://doi.org/10.1021/acsami.1c03844">https://doi.org/10.1021/acsami.1c03844</a>	9,229; Q1 Chemical science	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000706187100024">https://www.webofscience.com/wos/woscc/full-record/WOS:000706187100024</a>	93% Chemical science	Amey Nimkar, Netanel Shpigel, Fyodor Malchik, Shaul Bublil, Tianju Fan, Tirupathi Rao Penki, Merav Nadav Tsubery, Doron Aurbach	соавтор

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